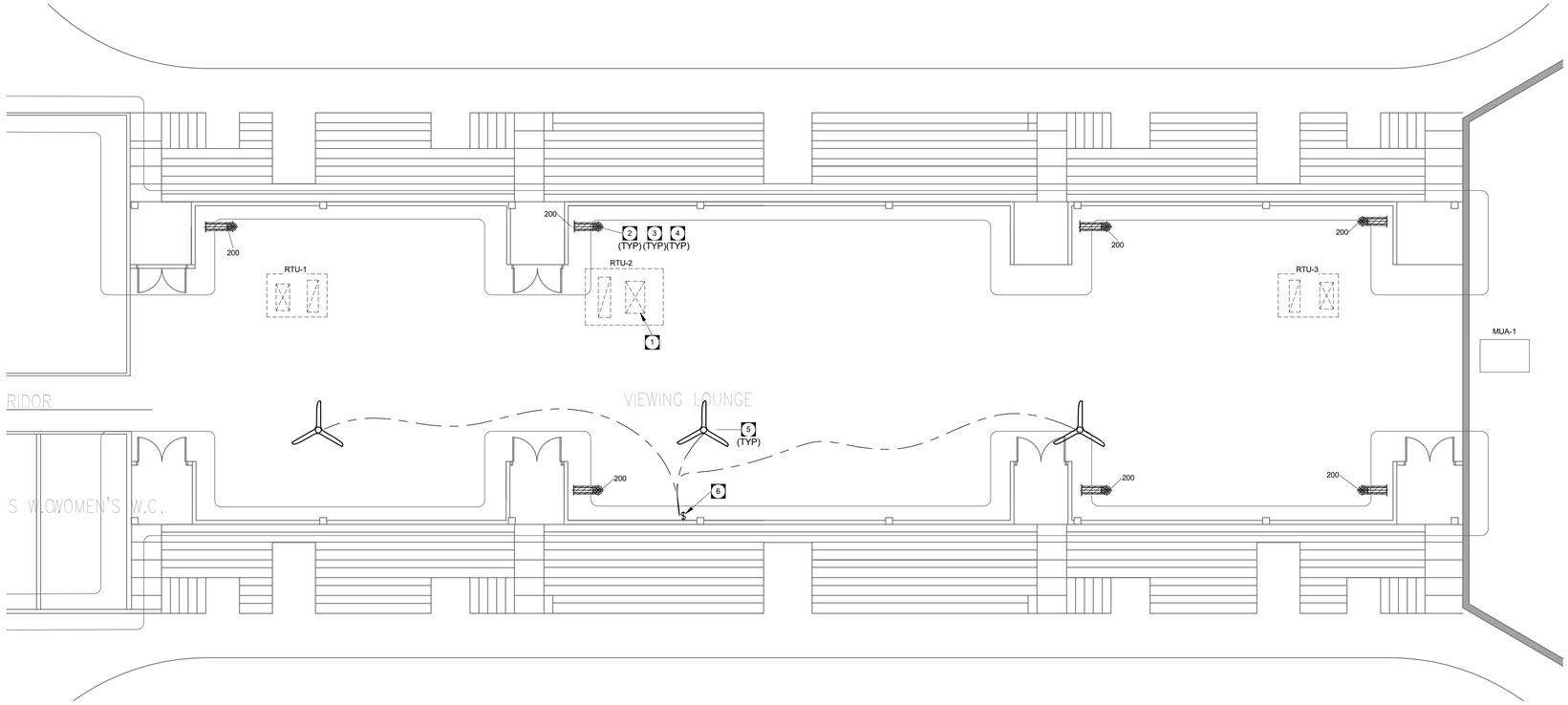
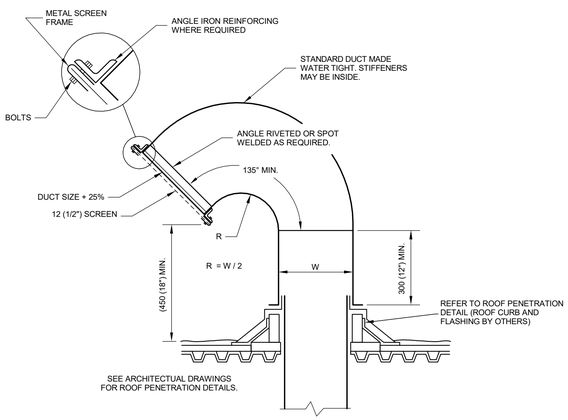


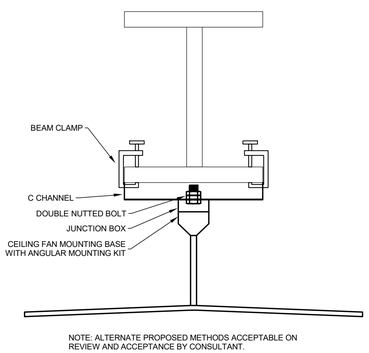
1 / M1 SECOND FLOOR PLAN - HVAC

SCALE: 1 : 100



TYPICAL GOOSENECK DETAIL

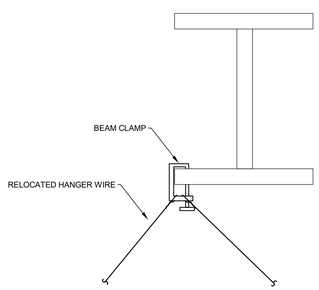
SCALE: N.T.S.



NOTE: ALTERNATE PROPOSED METHODS ACCEPTABLE ON REVIEW AND ACCEPTANCE BY CONSULTANT.

CEILING FAN HANGING DETAIL

SCALE: N.T.S.



HANGER WIRE RELOCATION DETAIL

SCALE: N.T.S.

HVAC GENERAL NOTES

A. ALL WORK IS LOCATED IN ATTIC SPACE ABOVE CEILING TILES, DRAWING BACKGROUNDS OF SPACE BELOW TILES SHOWN FOR RELATIVE LOCATION ONLY.
B. DUCT TRANSITIONS MAY NOT BE SHOWN IN DETAIL ON PLAN. REFER TO SMACNA - HVAC DUCT CONSTRUCTION STANDARDS FOR REQUIRED DUCT TRANSITIONS AND FITTINGS.
C. DUCTS LOCATED ABOVE ROOF LEVEL SHALL BE BRACED ON THE METAL ROOF AGAINST SNOW SLIP DAMAGE. COORDINATE ROOF PENETRATIONS WITH OTHER TRADES.
D. DUCT INSULATION MATERIALS SHALL MEET SMOKE AND FLAME SPREAD REQUIREMENTS FOR PLENUM INSULATION.
E. DUCT INSULATION SHALL FOLLOW THE SPECIFIED SIZE AS A MINIMUM REQUIREMENT. THESE REQUIREMENTS SHALL APPLY REGARDLESS OF WHETHER OR NOT DUCT INSULATION IS SHOWN ON THE DRAWINGS.
F. THE INTERRUPTION OF ANY SERVICES SHALL BE COORDINATED WITH THE BUILDING END USER AND SHALL BE KEPT TO A MINIMUM.
G. LOCATION OF CEILING FANS TO BE BASED ON BEST SUITABLE LOCATION PER SITE CONDITIONS. FAN BLADES TO BE OUT OF REACH OF PERSON STANDING BELOW.

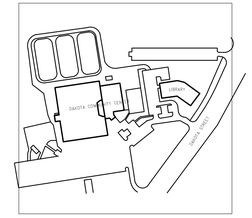
KEY NOTES

1 REPAIR DUCT SEAM, RE-FASTEN DUCT PAN TO RECTANGULAR DUCT. SEAL DUCT FULL PERIMETER WITH DURODYNE DUCT SEALANT.
2 PROVIDE NEW BACKDRAFT DAMPER IN DUCT AT ROOF PENETRATION.
3 REMOVE DUCT INSULATION FROM FAN DISCHARGE TO ROOF PENETRATION AND REPLACE WITH NEW 50 MM FOIL FACED FIBERGLASS INSULATION. RESEAL INSULATION ALL DUCT JOINTS WITH DURODYNE DUCT SEALANT BEFORE INSULATING. VAPOUR SEAL JOINTS AND ENDS.
4 REPLACE DUCT TERMINATION ABOVE ROOF FROM UNDERSIDE OF ROOF. TERMINATE WITH NEW GOOSENECK AND PROVIDE NEW BRACING. REPLACE DUCT PENETRATION SEAL AT ROOF. REFER TO DETAILS.
5 NEW CEILING FAN LOCATED IN CEILING SPACE, ATTACH TO UNDERSIDE OF BUILDING BEAM. 900MM (36") CEILING FAN, 7000 CFM CAPACITY, 80 WATTS. PROVIDE WITH SINGLE DISCONNECT IN CEILING SPACE ON NEAREST WALL, 300 MM ABOVE CEILING TILE. LABEL SWITCH. WIRE FAN FOR DOWNDRAFT AIRFLOW. LOCATE FAN TO BEST SUITABLE LOCATION ALONG BEAM. WHERE CEILING GRID WIRE INTERFERES WITH INSTALLATION, RELOCATE WIRE ATTACHMENTS, REFER TO DETAIL.
6 PANEL NA 225A 120/208V 3PH 4W 42 CCT CUTLER HAMMER QL442225 LOCATED ON SECOND FLOOR MECHANICAL ROOM 220. WIRE 2C #10 TECK CABLE. REPLACE AN EXISTING 15A/1P FULL SIZED BREAKER WITH A DUAL 15A/1P MINI BREAKER.

HVAC LEGEND

	SUPPLY AIR/OUTSIDE AIR DUCT RISER
	RETURN AIR/EXHAUST AIR DUCT RISER
	THERMAL INSULATION
?	KEY NOTE

KEY PLAN/DRAWING NOTES



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Sheet Title
SECOND FLOOR PARTIAL PLAN - HVAC

File	Date
17039	2016-08-16
Design: DR	Drawn: DR
Revision	Sheet No.

M1